



# Installation Guide/Owner's Manual

## 9" Cylinder (LSR-09XXX)

Technical Support: 313-259-6400, Press 5

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## INSTALLATION GUIDE/OWNER'S MANUAL

### 1.0 OWNER/USER RESPONSIBILITY

It is the responsibility of the contractor, installer, buyer, owner and user to install, maintain, and operate this luminaire in accordance with all applicable laws, regulations and local electrical safety authority requirements.

This product is only to be installed by a qualified electrician.

#### IMPORTANT!

Thoroughly read the entire instructions guide and warnings before beginning installation. The instructions provided are intended to assist in the installation and service of the corresponding product. Failure to follow the instructions may result in product malfunction, damage, injury or death. Contact your Kirlin service representative for replacement parts and procedures.

### 2.0 SAFETY & IMPORTANT INFORMATION



Risk of fire or electric shock. Ensure all power is disconnected during installation process. Refer to wiring diagrams to prevent damages and malfunctions.



This luminaire may only be connected and installed by a qualified electrician. This luminaire requires knowledge of luminaires and electrical systems. If not qualified, do not attempt installation or maintenance. All applicable regulations, legislation, and building codes must be observed.



Connecting fixtures with power **ON** will “hot plug” the LEDs and cause damage.



To prevent wiring damage or abrasion, do not expose wiring to edges metal or other sharp objects.

### 3.0 STANDARDS & COMPLIANCE

UL Listed	UL 1598
Restriction of hazardous substances	RoHS Compliant

### 4.0 ELECTRICAL REQUIREMENTS

Nominal input voltage range AC	120 - 277V
Input frequency range	50 - 60Hz
Maximum wattage	115W Max See specification sheets for exact wattage
Power factor at full load	> 0.95
Surge protection	1kV differential mode (DM) 2kV common mode (CM)

### 5.0 BEFORE YOU BEGIN

#### Before You Begin

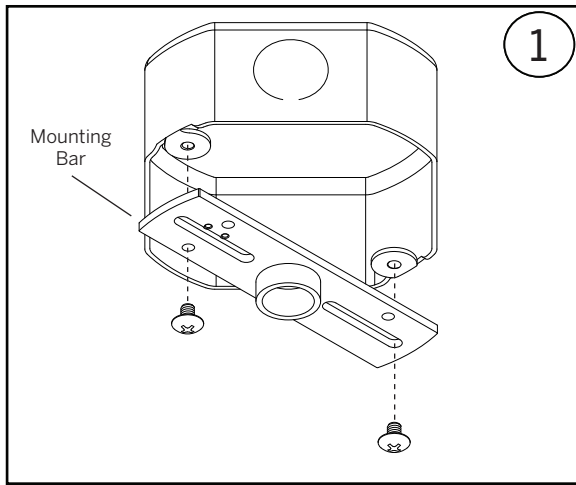
- Shut **OFF** power at fuse box or circuit breaker before installation, inspection or removal.
- To reduce the risk of fire or electric shock, **NEVER** interconnect or short output terminations.

#### Environmental Conditions

Luminaire operating ambient temperature (Ta) range	-20°C to +60°C
Luminaire	Wet, damp or dry listed, covered ceilings with weather cap up to 6500 lumens  Dry listed only 8000 lumens and above

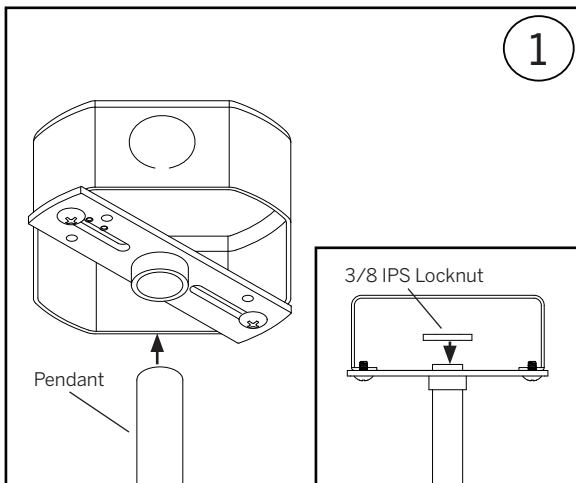
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### 6.0 FIXTURE INSTALLATION - MOUNTING BAR

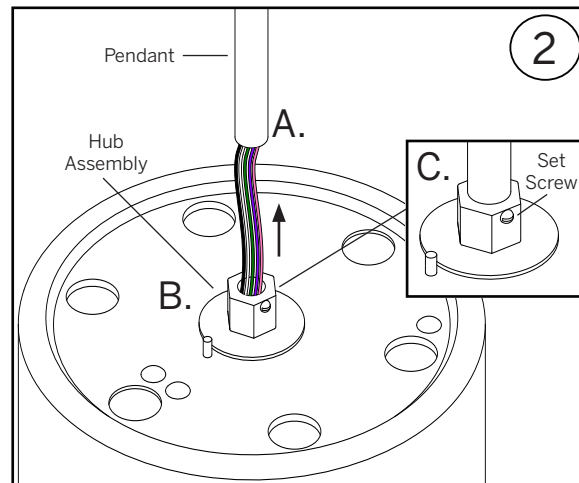


For pendant and cable mount installations, install the supplied mounting bar to the octagonal junction box (supplied by others) using junction box hardware (supplied by others).

### 6.1 FIXTURE INSTALLATION - PENDANT MOUNT

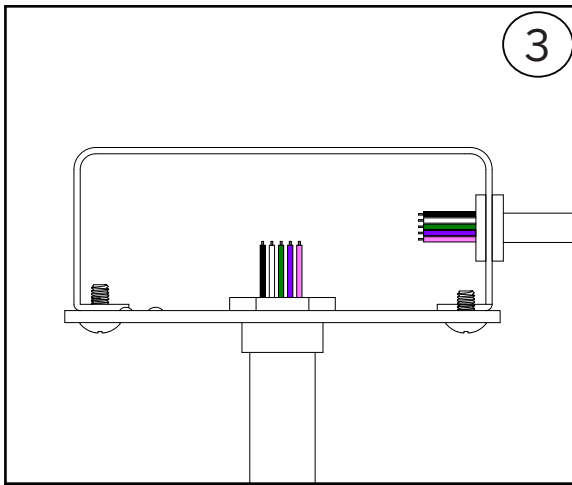


- A. Insert the pendant into the mounting bar by rotating the pendant clockwise.
- B. Fasten the supplied 3/8 IPS locknut to secure the pendant to the mounting bar.



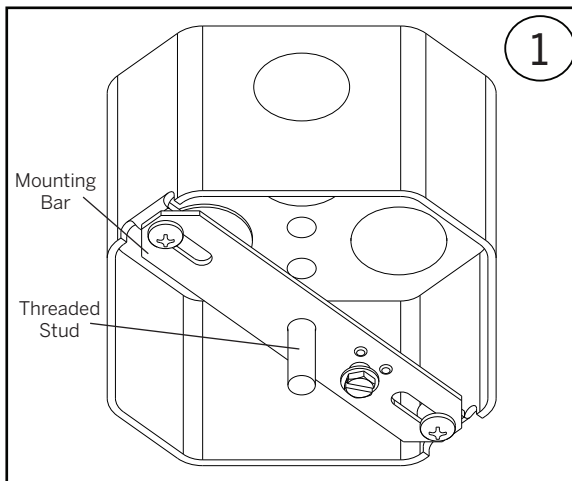
- A. Run the supplied power and control wires from the fixture through the pendant.
- B. Screw the fixture onto the pendant through the hub assembly by rotating the fixture clockwise.
- C. Tighten the supplied set screw to secure the fixture to the pendant.

## 6.1 FIXTURE INSTALLATION (CONTINUED) - PENDANT MOUNT

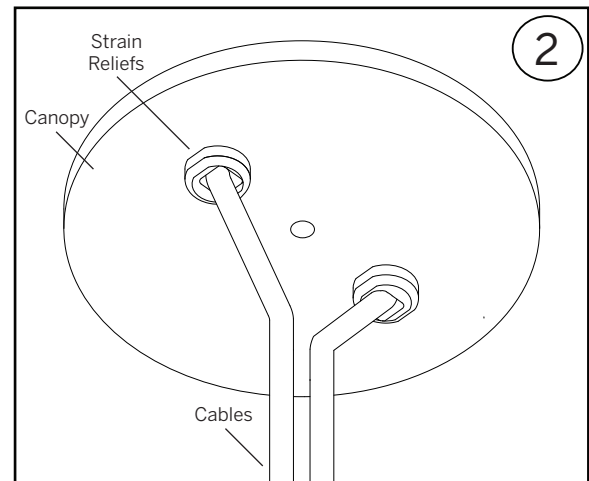


Connect the line (black), neutral (white), DIM+ (violet), and DIM- (pink) wires to the corresponding incoming power and control wires using wire nuts (supplied by others).

## 6.2 FIXTURE INSTALLATION - CABLE MOUNT



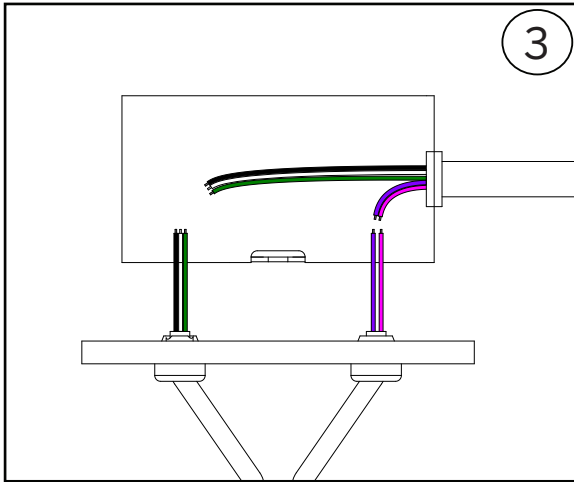
Insert the supplied 1/4"-20 x 1" threaded stud into the mounting bar.



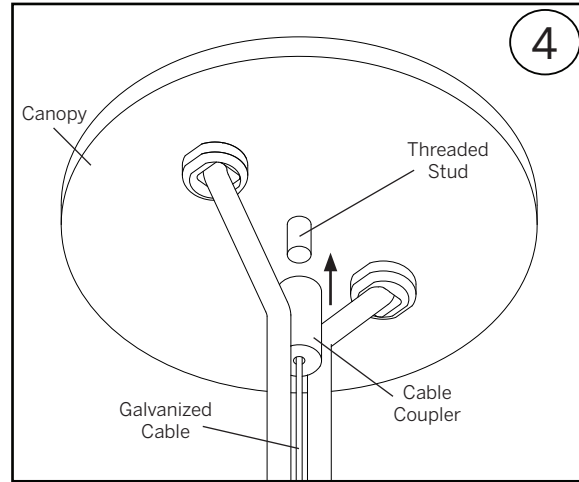
Insert the supplied cables through the supplied canopy, securing using the supplied strain reliefs.

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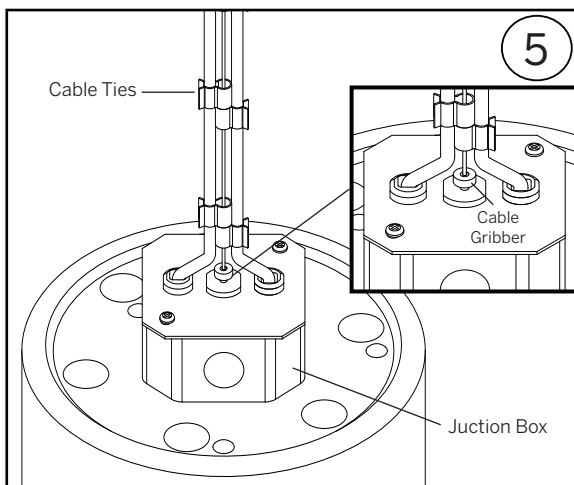
### 6.2 FIXTURE INSTALLATION (CONTINUED) - CABLE MOUNT



Connect the line (black), neutral (white), DIM+ (violet), and DIM- (pink) wires to the corresponding incoming power and control wires using wire nuts (supplied by others).

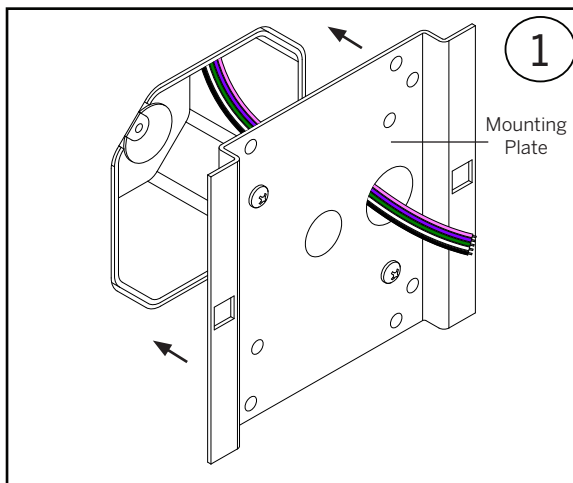


- A. Install the canopy to the junction box over the threaded stud.
- B. Secure the supplied galvanized cable to the threaded stud using the supplied cable coupler ensuring the canopy sits flush against the ceiling.

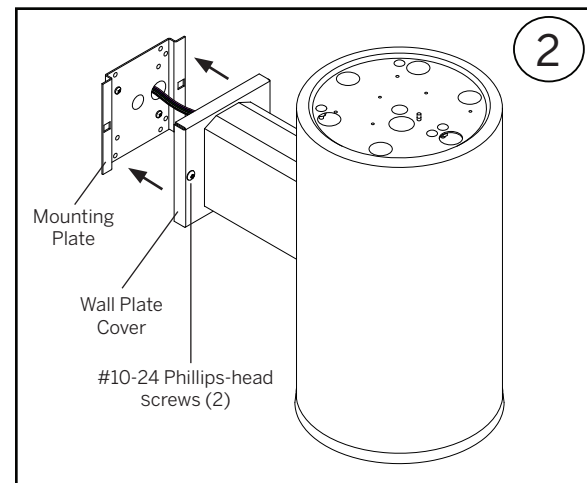


- A. Loosen the supplied cable gripper lock nut and depress to store the excess galvanized cable into the supplied junction box. Retighten the lock nut after adjusting the galvanized cable.
- B. Secure the cables to the galvanized cable using the supplied cable ties.

### 6.3 FIXTURE INSTALLATION - WALL MOUNT



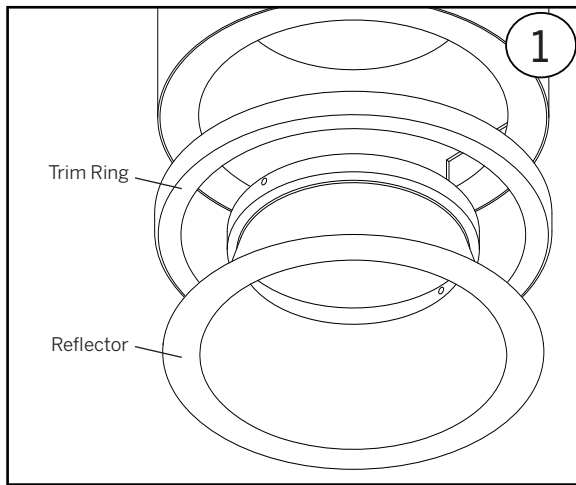
- A. For wall mount installations, install the junction box (supplied by others) into the wall.
- B. Run the incoming power and control wires through the supplied mounting plate.
- C. Install the supplied mounting plate to the junction box using junction box hardware (supplied by others).



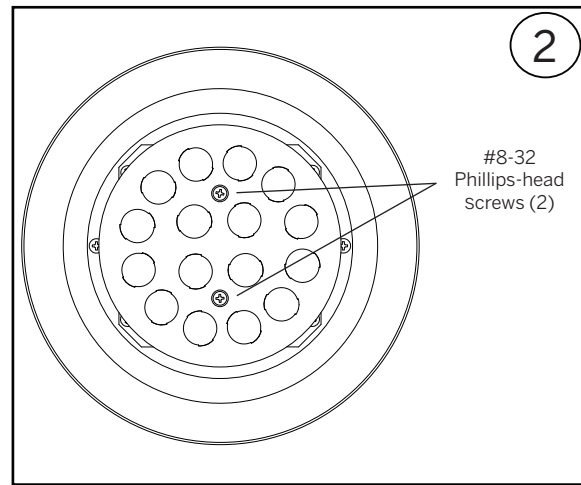
- A. Connect the line (black), neutral (white), DIM+ (violet), and DIM- (pink) wires from the fixture to the corresponding incoming power and control wires using wire nuts (supplied by others). Store all wire connections inside the junction box.
- B. Secure the supplied wall plate cover to the mounting plate using the supplied #10-24 Phillips-head screws (2).

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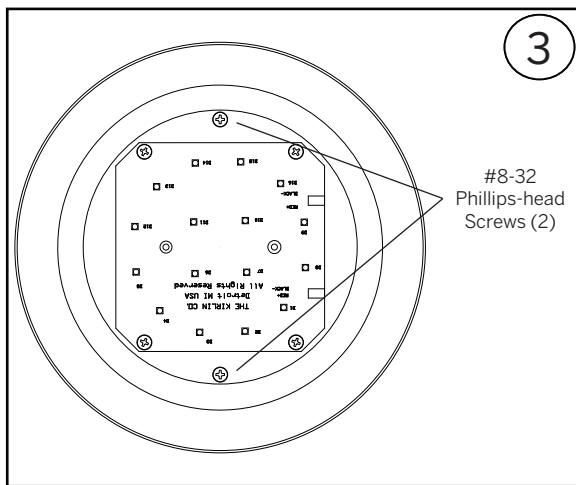
### 7.0 SERVICE - LED BOARD



- A. Ensure all power is disconnected to all fixtures. Pull down on the reflector and disconnect the attached springs (2) to remove.
- B. Remove the trim ring.



Remove the #8-32 Phillips-head screws (2) to remove the LED optic assembly.

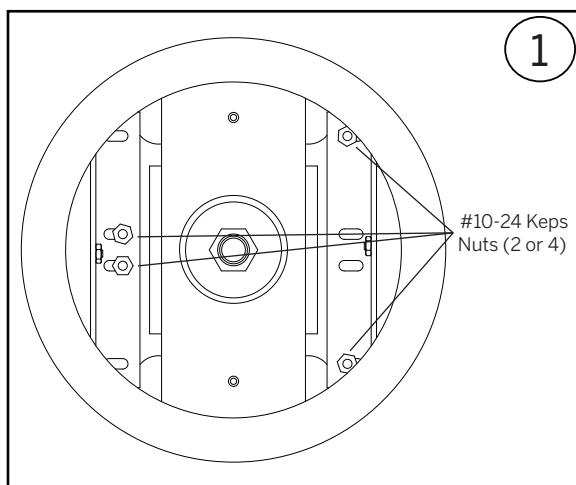


Remove the #8-32 Phillips-head screws (2) and disconnect any wire connections to remove the LED board assembly. Repeat these steps in reverse for reinstallation.

Note: When handling the fixture, DO NOT touch the diodes or LED board. Static and physical contact can damage the LEDs.

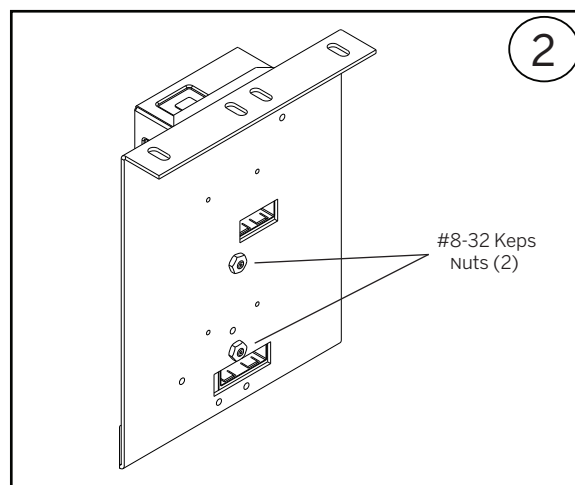


## 7.1 SERVICE - DRIVER



For driver service, continue from the previous service steps. Remove the #10-24 keps nuts (2 or 4) to remove the driver bracket(s) (1 or 2).

Fixtures up to 6500 lumens utilize one driver and (2) nuts. Fixtures 8000 lumens and up utilize (2) drivers and (4) nuts.



Remove the #8-32 keps nuts (2) to remove the driver from the driver bracket. Make note of and disconnect any connections where necessary. Repeat these steps in reverse order for reinstallation.

## **8.0 USER NOTES**